

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062118\  
 Data File : VN049483.D  
 Acq On : 21 Jun 2018 21:45  
 Operator : MD\SY  
 Sample : J3622-07  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SP-A

Quant Time: Jun 22 05:13:56 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N061618W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 16 01:02:01 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 1280761  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1992424  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1667113  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 524111   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 852504   | 50.19 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 100.38% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 736685   | 45.70 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 91.40%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 2761235  | 44.99 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 89.98%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 734854   | 36.21 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 72.42%  |          |

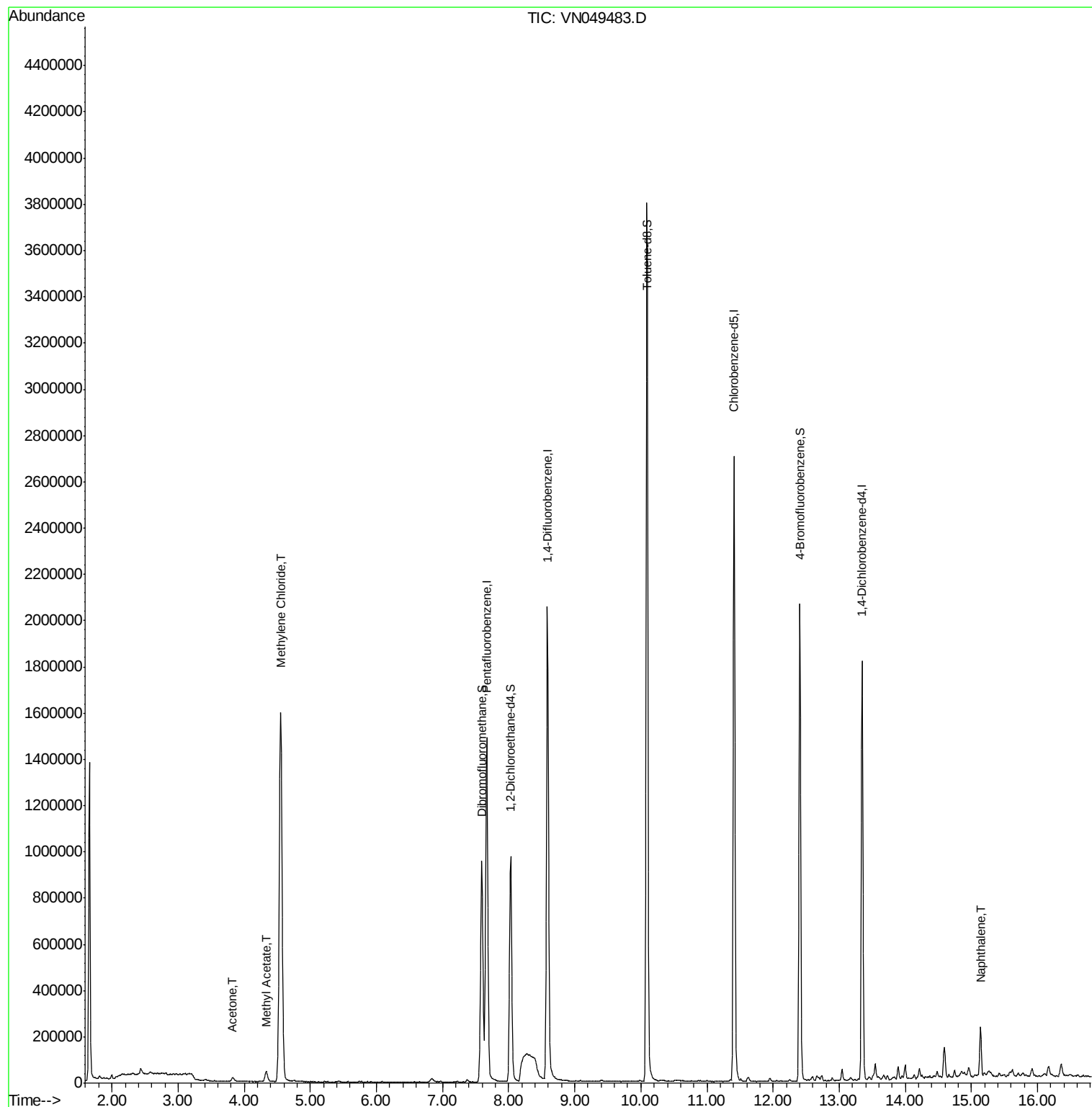
| Target Compounds       | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|------------------------|-------|------|----------|-------|-------|--------|
| 16) Acetone            | 3.82  | 43   | 28758    | 6.97  | ug/l  | 98     |
| 18) Methyl Acetate     | 4.34  | 43   | 86834    | 6.90  | ug/l  | 96     |
| 20) Methylene Chloride | 4.55  | 84   | 1229403  | 71.37 | ug/l  | 92     |
| 95) Naphthalene        | 15.14 | 128  | 182155   | 14.19 | ug/l  | 100    |

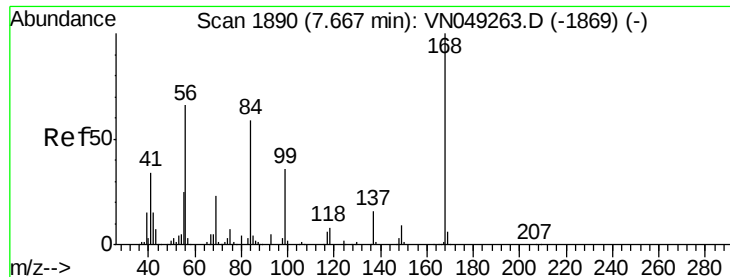
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN062118\  
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Instrument :  
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Quant Time: Jun 22 05:13:56 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N061618W.M  
Quant Title : SW846 8260  
QLast Update : Sat Jun 16 01:02:01 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN049483.D

Acq: 21 Jun 2018 21:45

Instrument :

MSVOA\_N

ClientSampleId :

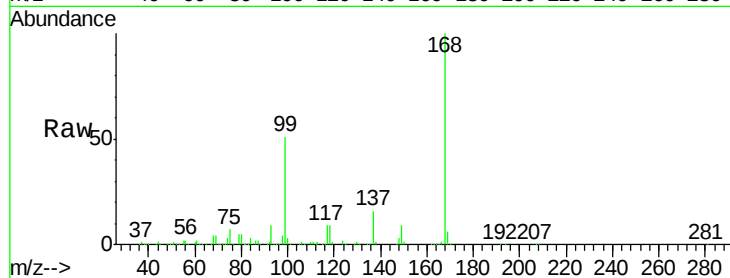
SP-A

Tot Ion:168 Resp: 1280761

Ion Ratio Lower Upper

168 100

99 50.7 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

600000

500000

400000

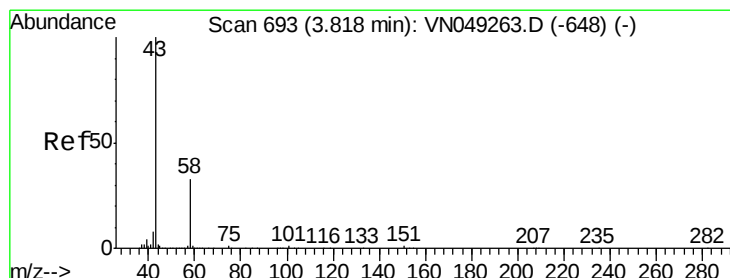
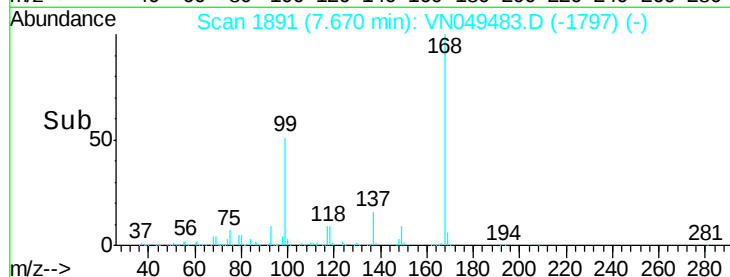
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 6.97 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN049483.D

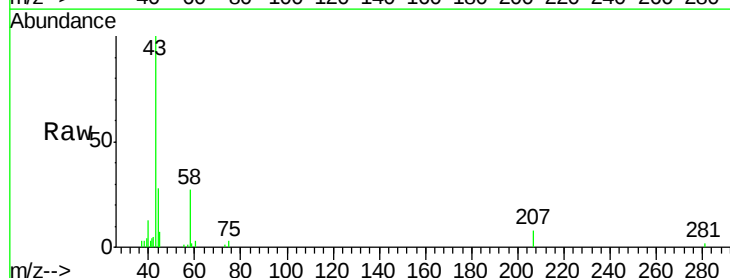
Acq: 21 Jun 2018 21:45

Tgt Ion: 43 Resp: 28758

Ion Ratio Lower Upper

43 100

58 27.0 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

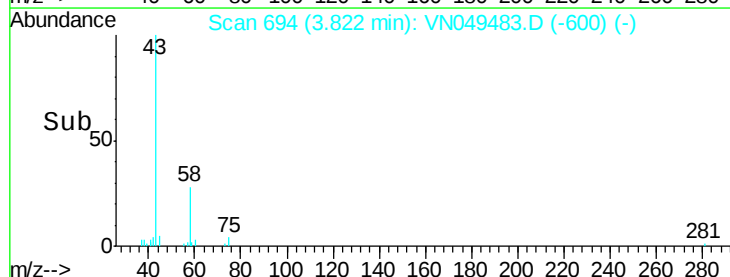
3.82

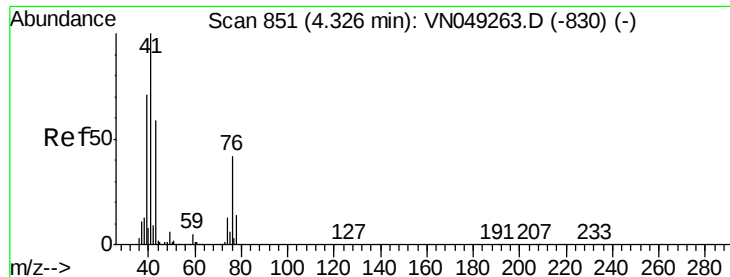
10000

5000

0

Time-->

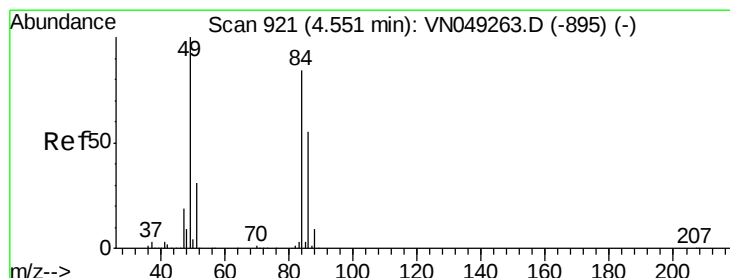
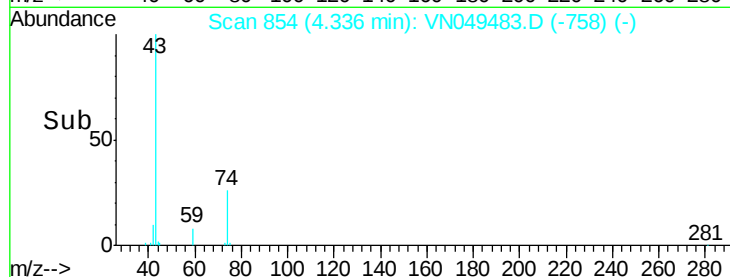
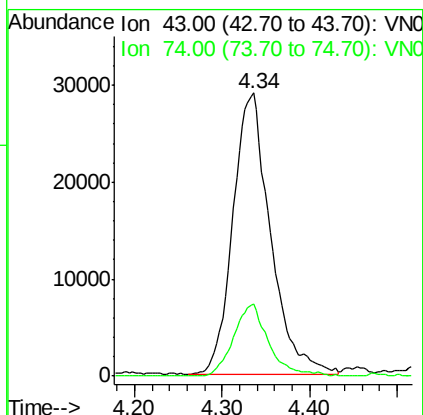
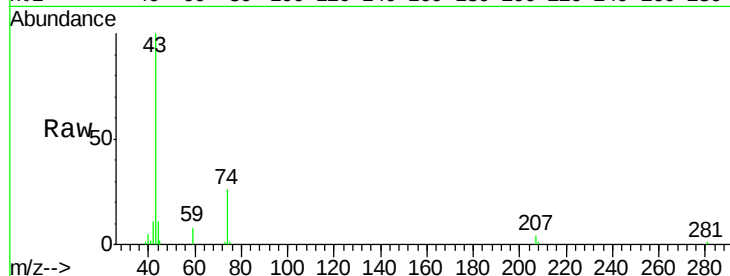




#18  
Methvl Acetate  
Concen: 6.90 ug/l  
RT: 4.34 min Scan# 854  
Delta R.T. 0.01 min  
Lab File: VN049483.D  
Acq: 21 Jun 2018 21:45

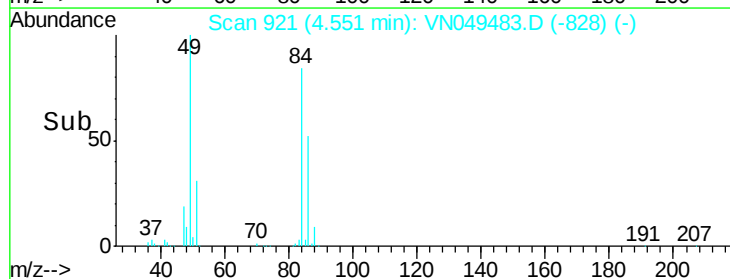
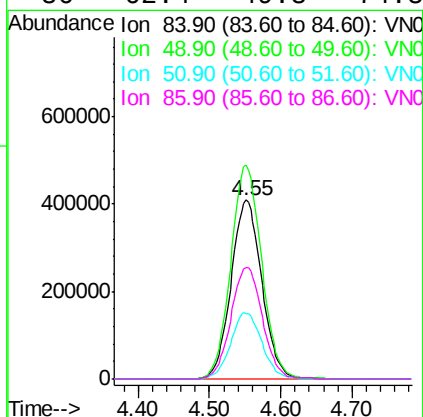
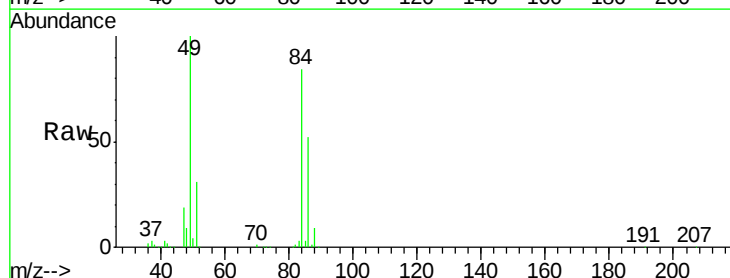
Instrument :  
MSVOA\_N  
ClientSampleId :  
SP-A

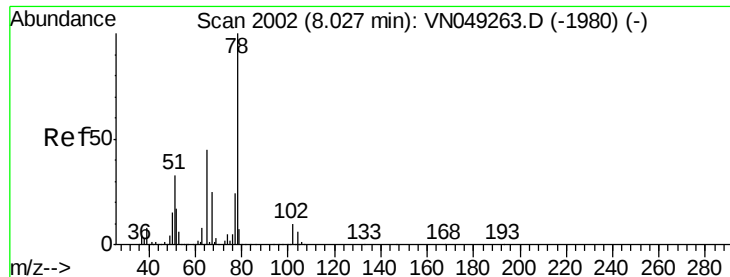
Tot Ion: 43 Resp: 86834  
Ion Ratio Lower Upper  
43 100  
74 23.5 17.4 26.0



#20  
Methylene Chloride  
Concen: 71.37 ug/l  
RT: 4.55 min Scan# 921  
Delta R.T. 0.00 min  
Lab File: VN049483.D  
Acq: 21 Jun 2018 21:45

Tgt Ion: 84 Resp: 1229403  
Ion Ratio Lower Upper  
84 100  
49 119.3 106.9 160.3  
51 36.6 32.7 49.1  
86 62.4 49.8 74.8

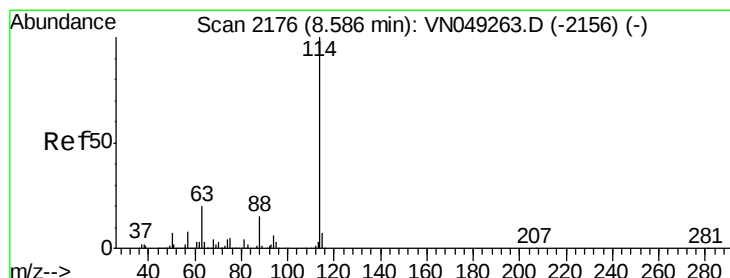
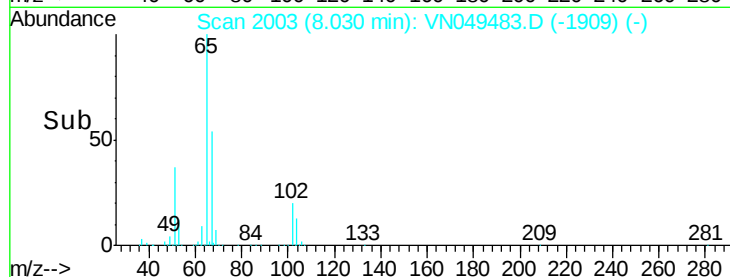
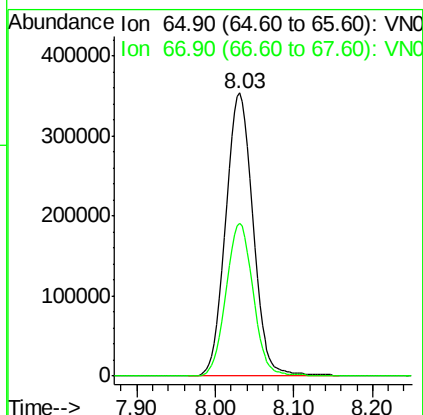
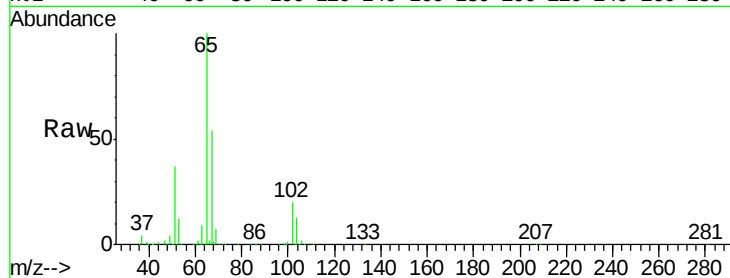




#33  
 1,2-Dichloroethane-d4  
 Concen: 50.19 ug/l  
 RT: 8.03 min Scan# 2003  
 Delta R.T. 0.00 min  
 Lab File: VN049483.D  
 Acq: 21 Jun 2018 21:45

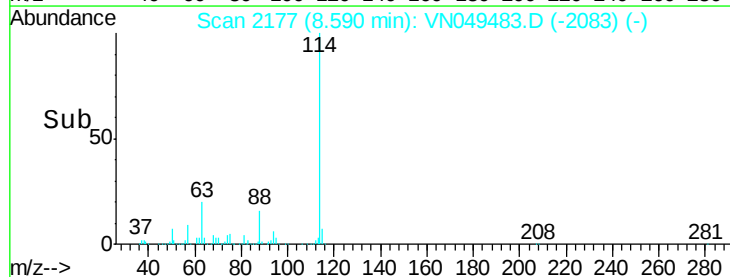
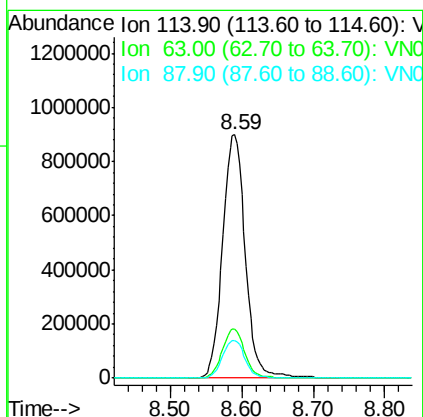
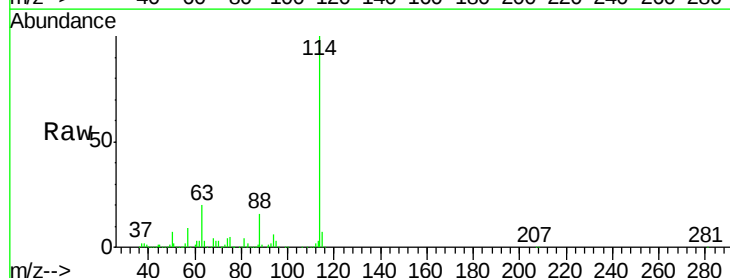
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SP-A

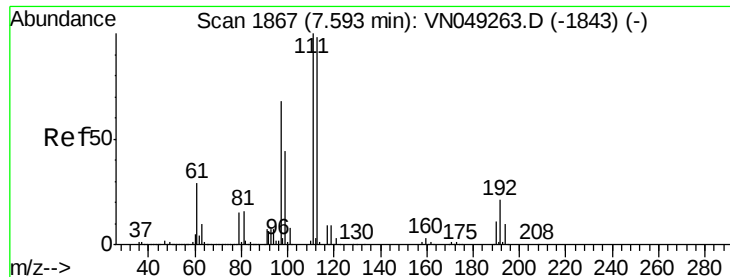
Tot Ion: 65 Resp: 852504  
 Ion Ratio Lower Upper  
 65 100  
 67 53.6 0.0 103.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.59 min Scan# 2177  
 Delta R.T. 0.00 min  
 Lab File: VN049483.D  
 Acq: 21 Jun 2018 21:45

Tgt Ion: 114 Resp: 1992424  
 Ion Ratio Lower Upper  
 114 100  
 63 20.0 0.0 44.4  
 88 15.6 0.0 31.4

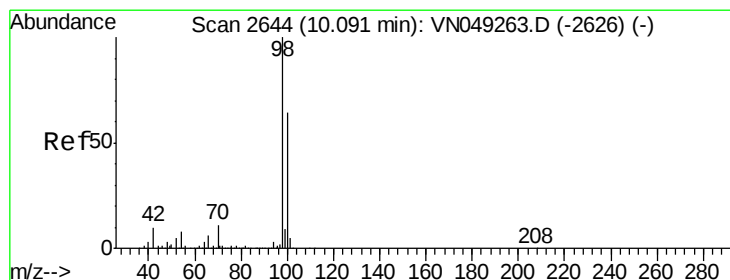
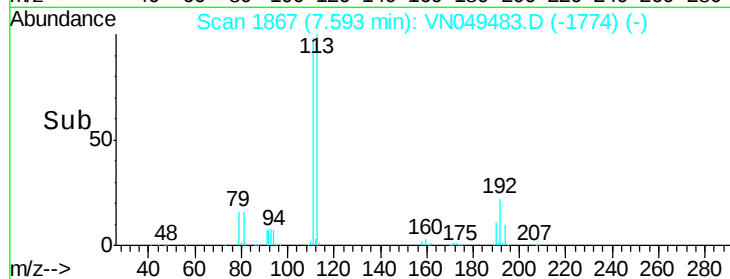
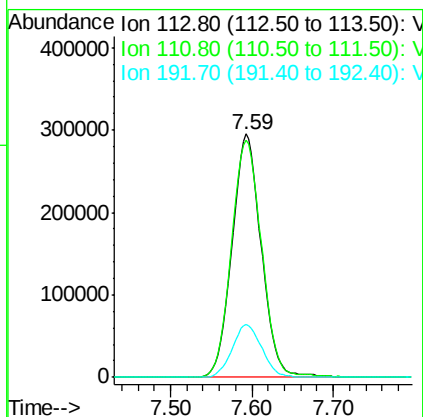
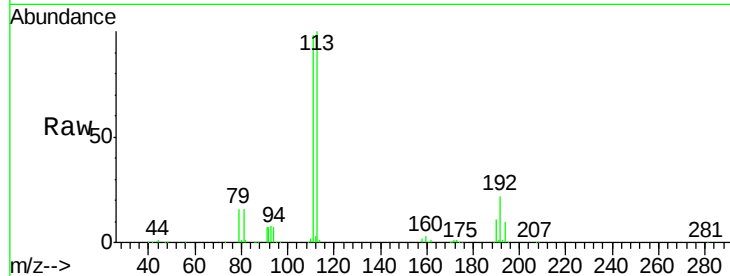




#35  
 Dibromofluoromethane  
 Concen: 45.70 ug/l  
 RT: 7.59 min Scan# 1867  
 Delta R.T. 0.00 min  
 Lab File: VN049483.D  
 Acq: 21 Jun 2018 21:45

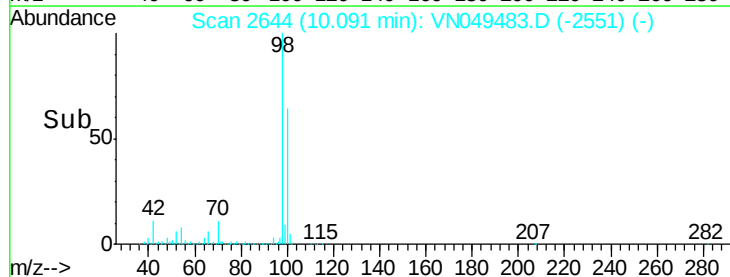
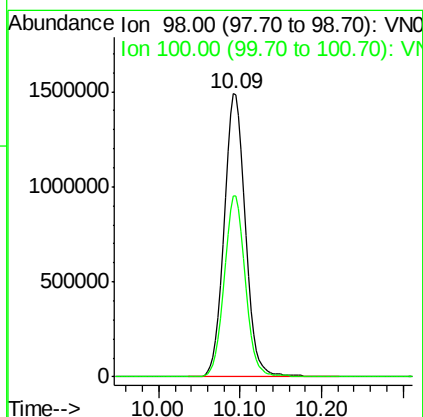
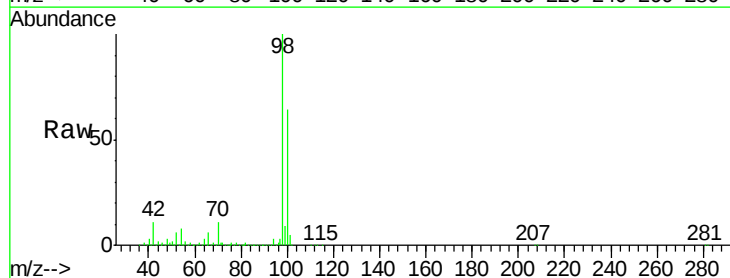
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SP-A

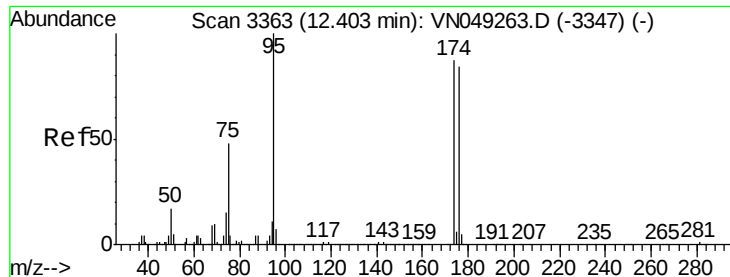
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.1 | 82.4  | 123.6 |
| 192     | 22.0  | 15.0  | 22.6  |



#50  
 Toluene-d8  
 Concen: 44.99 ug/l  
 RT: 10.09 min Scan# 2644  
 Delta R.T. 0.00 min  
 Lab File: VN049483.D  
 Acq: 21 Jun 2018 21:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 63.6  | 49.8  | 74.8  |





#62

4-Bromofluorobenzene

Concen: 36.21 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049483.D

Acq: 21 Jun 2018 21:45

Instrument :

MSVOA\_N

ClientSampled :

SP-A

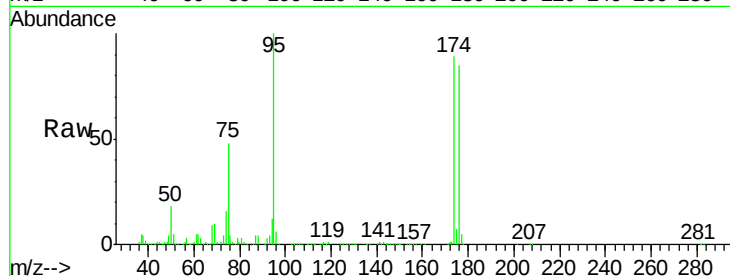
Tot Ion: 95 Resp: 734854

Ion Ratio Lower Upper

95 100

174 89.0 0.0 165.6

176 85.2 0.0 157.4



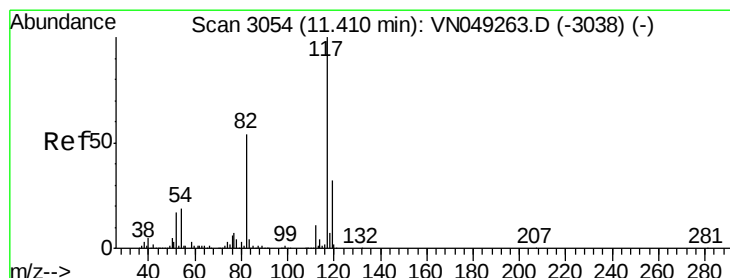
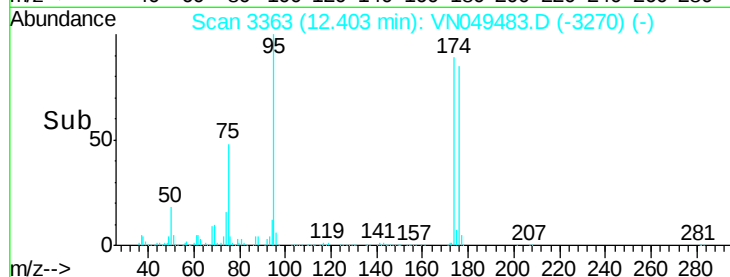
Abundance Ion 94.90 (94.60 to 95.60): VN049483.D (-3270) (-)

Ion 173.80 (173.50 to 174.50): VN049483.D (-3270) (-)

Ion 175.80 (175.50 to 176.50): VN049483.D (-3270) (-)

12.40

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049483.D

Acq: 21 Jun 2018 21:45

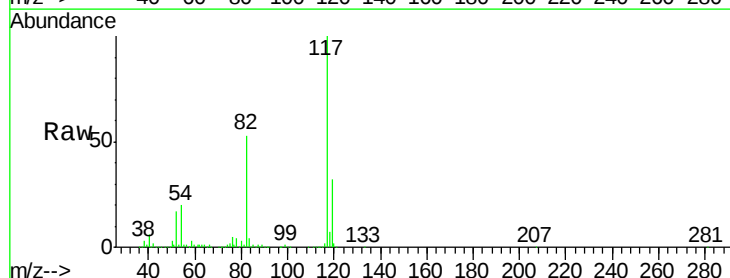
Tgt Ion: 117 Resp: 1667113

Ion Ratio Lower Upper

117 100

82 53.0 45.9 68.9

119 32.1 25.5 38.3



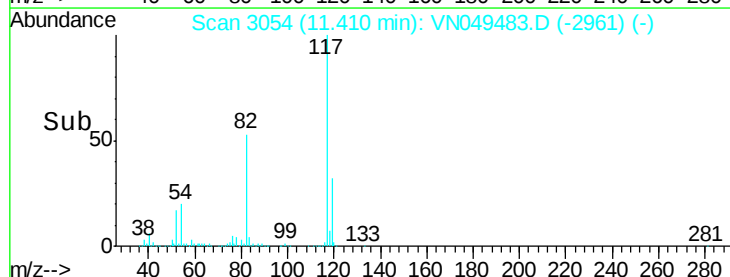
Abundance Ion 116.90 (116.60 to 117.60): VN049483.D (-2961) (-)

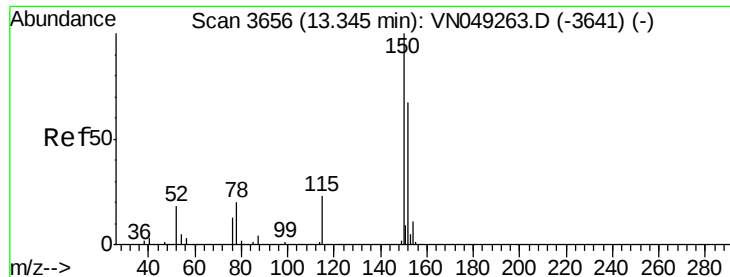
Ion 82.00 (81.70 to 82.70): VN049483.D (-2961) (-)

Ion 118.90 (118.60 to 119.60): VN049483.D (-2961) (-)

11.41

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3657

Delta R.T. 0.00 min

Lab File: VN049483.D

Acq: 21 Jun 2018 21:45

Instrument :

MSVOA\_N

ClientSampleId :

SP-A

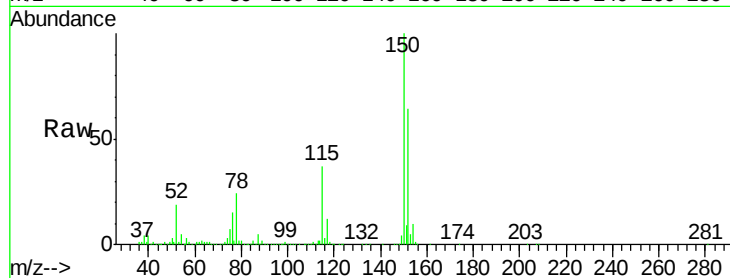
Tot Ion:152 Resp: 524111

Ion Ratio Lower Upper

152 100

115 57.4 28.7 86.1

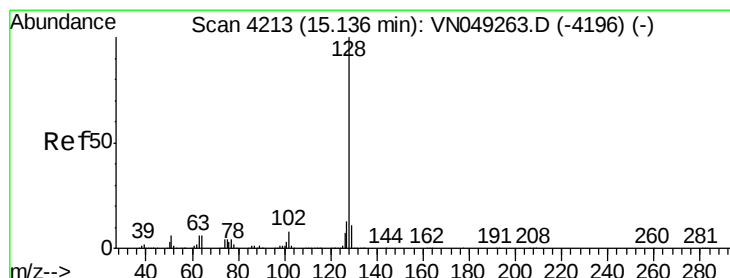
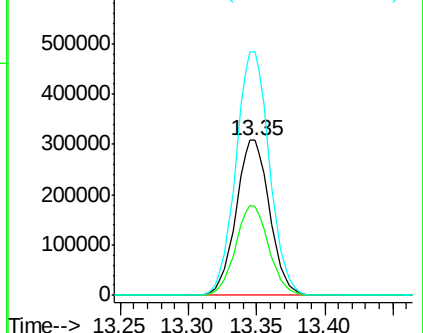
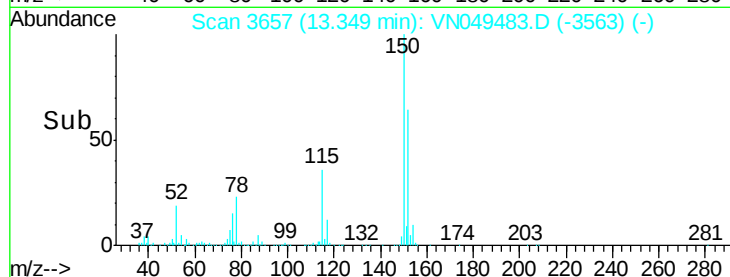
150 157.5 0.0 351.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#95

Naphthalene

Concen: 14.19 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049483.D

Acq: 21 Jun 2018 21:45

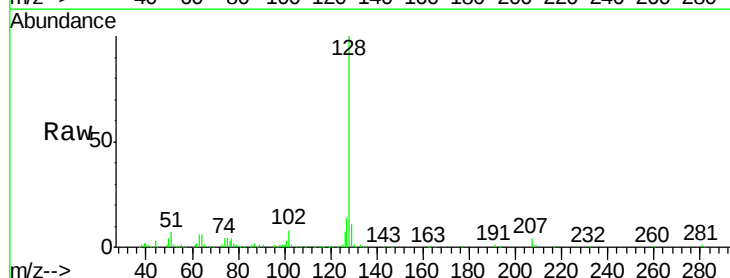
Tgt Ion:128 Resp: 182155

Ion Ratio Lower Upper

128 100

127 13.4 10.6 16.0

129 10.6 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

